

**HARDWARE/SOFTWARE LOCK FOR SECURE LINKAGE
BETWEEN ALGORITHMIC DECISION PROCESS AND
CRITICAL SYSTEM FUNCTION EXECUTION**

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Abstract of the Disclosure

An improved protection mechanism to protect from unintended execution of critical tasks operates, in one example embodiment, by receiving a request to start a task by a first process. The first process informs a second process of running an algorithm to verify the legitimacy of the received request to determine the need to start the task. The second process stores the information regarding the starting the algorithm by the first process. The first process runs the algorithm to verify the legitimacy of the received request, and conveys an outcome of the verification to the second process. The second process enables the start of the task by the first process based on the outcome of the verification and a checking of the stored information and the first process starts the task.

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